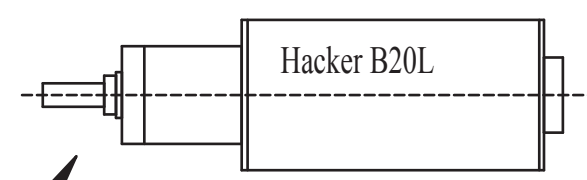
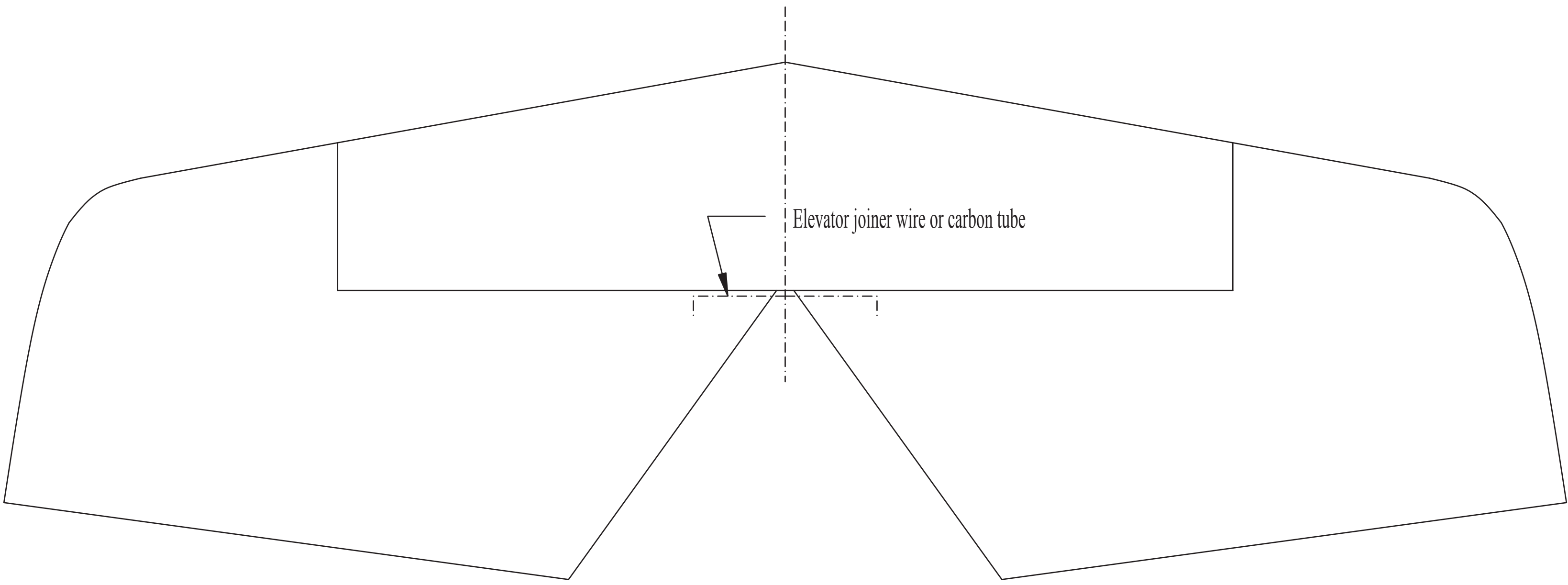
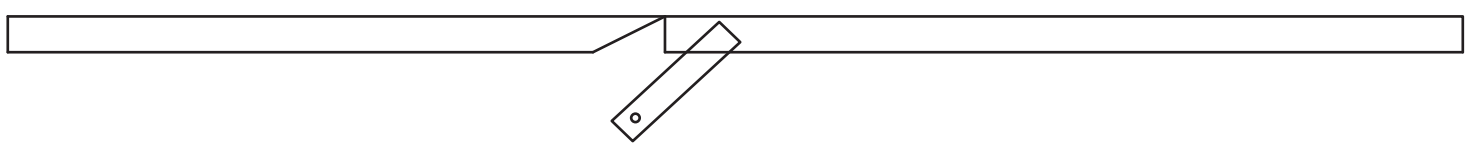


Alternate Power:
Razor RZ350 with the GWS EPS300C DS Gearbox
3S 1200mh E-Tec LiPoly cells
Power with this set-up is incredible!

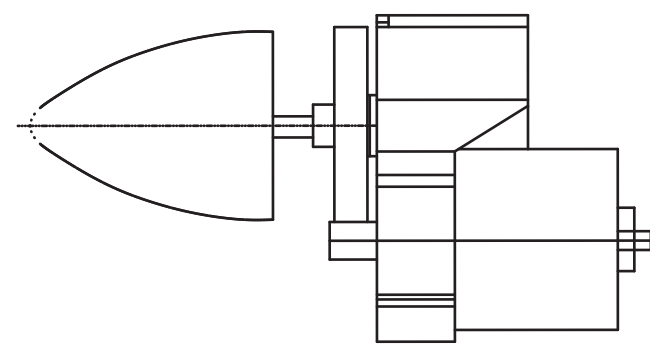
Note: For the elevator hinge, bevel the horizontal stabilizer, not the elevator. This allows easy hinging to clear the joiner wire.



Hacker B20-15L/Maxon 4:1 Gearbox shown for size ref. Modify cut-out area and motor mount for Hacker or other than GWS Motor/GB

Note: Construction material used is Dow Bluecore, AKA fan fold foam. Depron of suitable thickness can be substituted.

GWS 300-C Gearbox shown

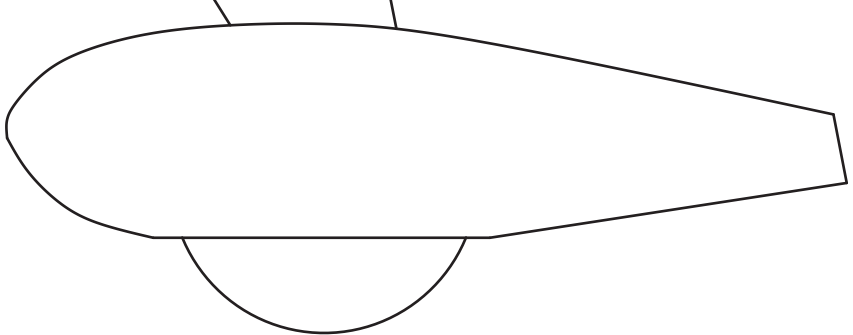


Note: Cut-out in fuselage is shown for GWS EPC 300-C gearbox and motor. If you are using another power system, adjust cut-out as required.



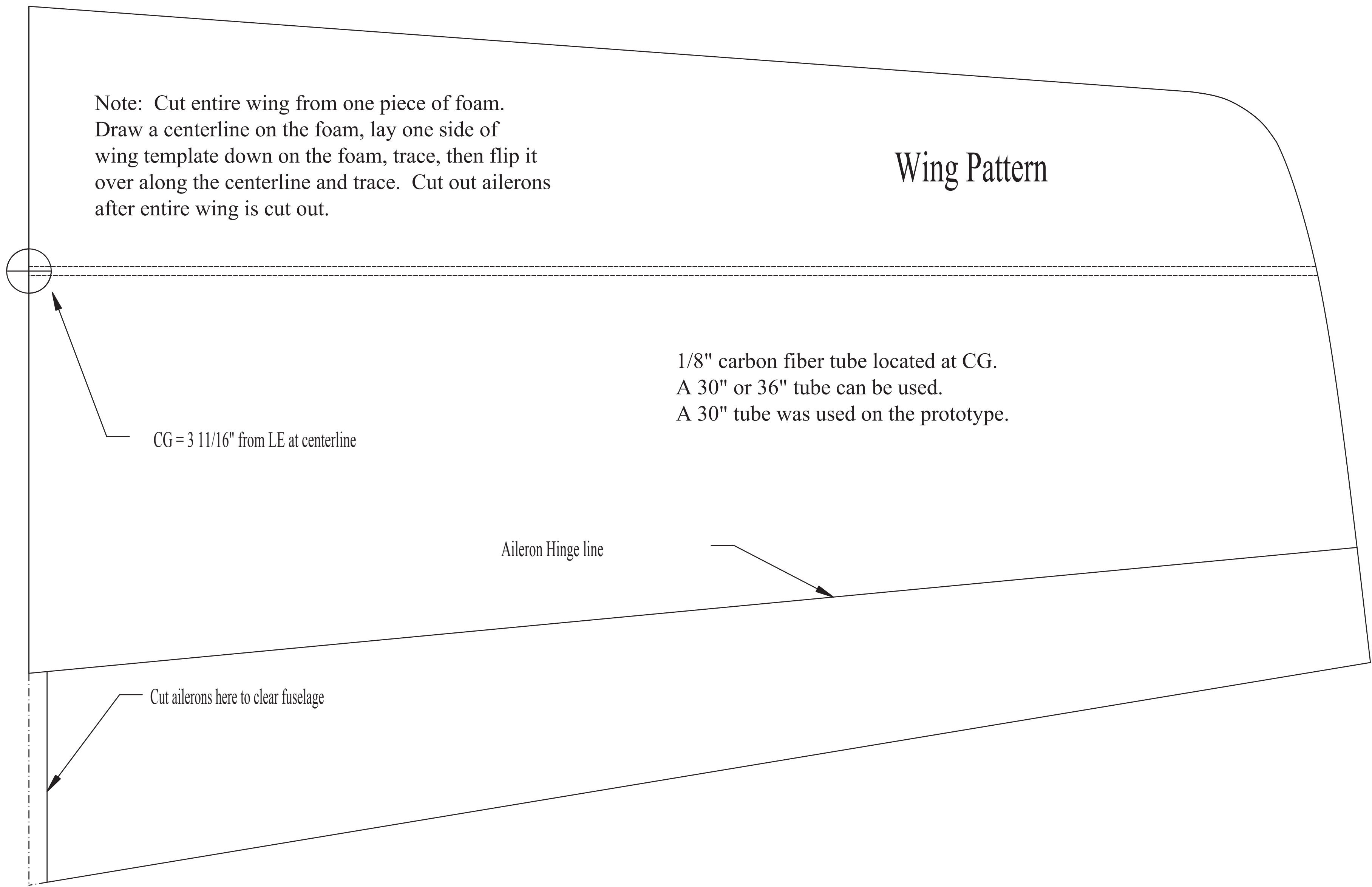
Groove hardwood mounting block as shown to fit the carbon tube. Epoxy the block to the carbon tube.

Landing gear shown for optional placement only. Prototype did not have gear.



Initial CG here. Adjust to suite flying style and desired 3D performance. While building, try to locate all radio gear so that the plane will balance on the CG without the battery installed. If done so, battery can be used to adjust the CG. Also, batteries of different types can be substituted without drasicly changing CG.

Airframe is constructed from Dow Bluecore. Also known as Fan Fold Foam. Leave the plastic film on the foam unless otherwise noted. The film on the foam adds tremendous strength with little weight gain.



Note: Cut entire wing from one piece of foam. Draw a centerline on the foam, lay one side of wing template down on the foam, trace, then flip it over along the centerline and trace. Cut out ailerons after entire wing is cut out.

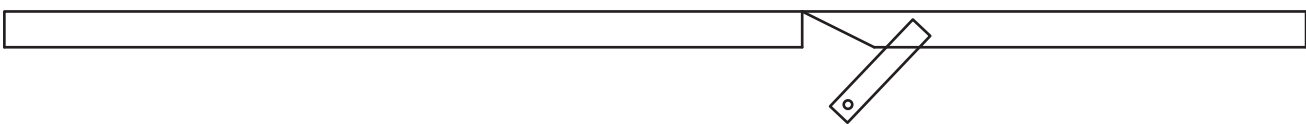
CG = 3 11/16" from LE at centerline

1/8" carbon fiber tube located at CG. A 30" or 36" tube can be used. A 30" tube was used on the prototype.

Aileron Hinge line

Cut ailerons here to clear fuselage

Rudder hinge detail. Bevel the rudder and use tape hinges. Control horn is made from a cut down zip tie.



Note: Servo placement shown on plans is for illustration purposes only. Adjust servo location to achieve CG without battery installed.

Canopy outline

Rudder cut line

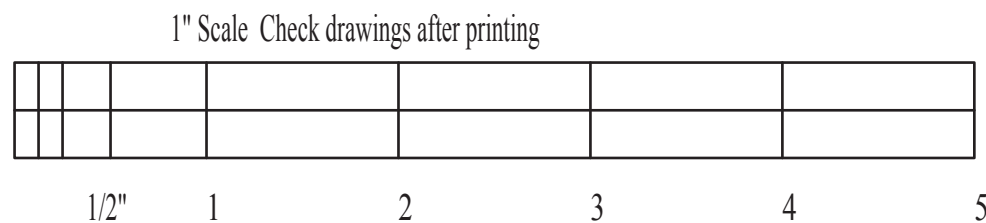
Cut rudder out after fuselage is cut from foam sheet

Aileron

Cut down Zip Tie Control horn. Use for Elev. and Rudder also

Stabilizer cut-out

1/8" (or equivalent) carbon fiber tube 30" long
Make cut-out in fuse, then use epoxy sparingly to glue into place



3DX for GWS EPS 300-C	
Designed and drawn by Timothy Hart	
Wing Span: 37"	Power System Used on Prototype:
Wing Area: 360sq."	GWS EPS300-C "D" Gearing
Weight: 11-13oz	GWS 12x6 Prop
	8 cell Sanyo 4/5AAA 720Nimh